



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Cunningham *et al.*
Serial No: 09/543,612
Filed: April 5, 2000
For: APPARATUS AND METHOD FOR
MEASURING THE MASS OF A
SUBSTRATE

Paper No.:
Group: 2856
Examiner: Chapman, J.
Docket No: DR-308J

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DRON
5/29/03

Mail Stop Response
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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Mail Stop Response, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 14, 2003.

Marianne G. Tarczal

RESPONSE

This Response is in reply to the Office Action mailed November 14, 2002 in the subject application. In response to the Office Action, please amend the above-identified application as follows.

AMENDMENT C

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23. (Three times amended) The apparatus of claim 1 wherein said mass determining device measures the change in mass of a substance in the range of about 100 picogram/mm² to 100,000 picogram/mm².